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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *  Welcome to STN International  * * * * * * * * * *

| | | |
|---|---|---|
| NEWS 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS 2 | APR 02 | CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases |
| NEWS 3 | APR 02 | PATDPAFULL: Application and priority number formats enhanced |
| NEWS 4 | APR 02 | DWPI: New display format ALLSTR available |
| NEWS 5 | APR 02 | New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes |
| NEWS 6 | APR 02 | EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948 |
| NEWS 7 | APR 07 | 50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus |
| NEWS 8 | APR 07 | MEDLINE Coverage Is Extended Back to 1947 |
| NEWS 9 | JUN 16 | WPI First View (File WPIFV) will no longer be available after July 30, 2010 |
| NEWS 10 | JUN 18 | DWPI: New coverage - French Granted Patents |
| NEWS 11 | JUN 18 | CAS and FIZ Karlsruhe announce plans for a new STN platform |
| NEWS 12 | JUN 18 | IPC codes have been added to the INSPEC backfile (1969-2009) |
| NEWS 13 | JUN 21 | Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT,and MARPAT |
| NEWS 14 | JUN 21 | Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN |
| NEWS 15 | JUN 28 | Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol |
| NEWS 16 | JUN 29 | Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN |
| NEWS 17 | JUL 19 | Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses |
| NEWS 18 | JUL 26 | CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica |
| NEWS 19 | SEP 15 | MEDLINE Cited References provide additional revelant records with no additional searching. |
| NEWS 20 | OCT 04 | Removal of Pre-IPC 8 data fields streamlines displays in USPATFULL, USPAT2, and USPATOLD. |
| NEWS 21 | OCT 04 | Precision of EMBASE searching enhanced with new chemical name field |
| NEWS 22 | OCT 06 | Increase your retrieval consistency with new formats or for Taiwanese application numbers in CA/CAplus. |
| NEWS 23 | OCT 21 | CA/CAplus kind code changes for Chinese patents increase consistency, save time |

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 NEWS 24  OCT 22  New version of STN Viewer preserves custom
                  highlighting of terms when patent documents are
                  saved in .rtf format
 NEWS 25  OCT 28  INPADOCDB/INPAFAMDB: Enhancements to the US national
                  patent classification.
 NEWS 26  NOV 03  New format for Korean patent application numbers in
                  CA/CAplus increases consistency, saves time.
 NEWS 27  NOV 04  Selected STN databases scheduled for removal on
                  December 31, 2010

 NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
          AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:22:09 ON 10 NOV 2010

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       1.54       1.54

FILE 'REGISTRY' ENTERED AT 12:26:34 ON 10 NOV 2010
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STRUCTURE FILE UPDATES:    9 NOV 2010  HIGHEST RN 1252174-83-6
DICTIONARY FILE UPDATES:   9 NOV 2010  HIGHEST RN 1252174-83-6

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
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Uploading C:\Program Files\STNEXP\Queries\10788426.str

L1 STRUCTURE UPLOADED

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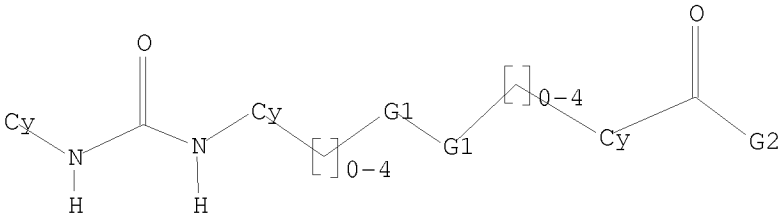
L1 HAS NO ANSWERS
L1 STR




G1 O,S,N,C

G2 O,N,C

G3 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s L1 sss sam
SAMPLE SEARCH INITIATED 12:29:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 72230 TO ITERATE

100.0% PROCESSED 72230 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1428573 TO 1460627
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s L! sss full
L3 390673 L!

=> s L1 sss full
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FULL SCREEN SEARCH COMPLETED - 1449762 TO ITERATE

100.0% PROCESSED 1449762 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.07

L4 5 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 199.00 200.54

FILE 'CAPLUS' ENTERED AT 12:29:41 ON 10 NOV 2010

FILE COVERS 1907 - 10 Nov 2010 VOL 153 ISS 20
FILE LAST UPDATED: 9 Nov 2010 (20101109/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s L4
L5 1 L4

=> d L4 ibib
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> d L5 ibib

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:756711 CAPLUS
DOCUMENT NUMBER: 141:277641
TITLE: Preparation of bicyclic (hetero)aryl- and pyridine-containing diaryl ureas as Raf kinase and angiogenesis inhibitors useful in the treatment of cancer and other disorders
INVENTOR(S): Dumas, Jacques; Boyer, Stephen; Verma, Sharad; Adnane, Lila; Chen, Yuanwei; Lee, Wendy; Phillips, Barton; Smith, Roger A.; Scott, William J.; Burke, Jennifer; Chen, Jianqing; Chen, Zhi; Fan, Jianmei; Miranda, Karl; Raudenbush, Brian; Redman, Aniko; Shao, Jianxing; Su, Ning; Wang, Gan; Yi, Lin; Zhu, Qingming
PATENT ASSIGNEE(S): Bayer Pharmaceuticals Corporation, USA
SOURCE: PCT Int. Appl., 162 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2004078748 | A2 | 20040916 | WO 2004-US6287 | 20040301 |
| WO 2004078748 | A3 | 20041111 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

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            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
            LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
        RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
            BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
            MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
            GN, GQ, GW, ML, MR, NE, SN, TD, TG
    CA 2516931          A1    20040916    CA 2004-2516931        20040301
    EP 1608639          A2    20051228    EP 2004-716166         20040301
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
    JP 2006519265       T     20060824    JP 2006-508978         20040301
    MX 2005009104       A     20060531    MX 2005-9104           20050826
    US 20100075971      A1    20100325    US 2009-628735         20091201
PRIORITY APPLN. INFO.:                    US 2003-450348P     P  20030228
                                          US 2003-450323P     P  20030228
                                          US 2003-450324P     P  20030228
                                          US 2004-789446      B1 20040301
                                          WO 2004-US6287      W  20040301
OTHER SOURCE(S):         MARPAT 141:277641
OS.CITING REF COUNT:     6     THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
                               (6 CITINGS)


=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.30     206.84

FILE 'REGISTRY' ENTERED AT 12:35:35 ON 10 NOV 2010
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STRUCTURE FILE UPDATES:    9 NOV 2010  HIGHEST RN 1252174-83-6
DICTIONARY FILE UPDATES:   9 NOV 2010  HIGHEST RN 1252174-83-6

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10788426 exp.str

L6      STRUCTURE UPLOADED

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L6 HAS NO ANSWERS
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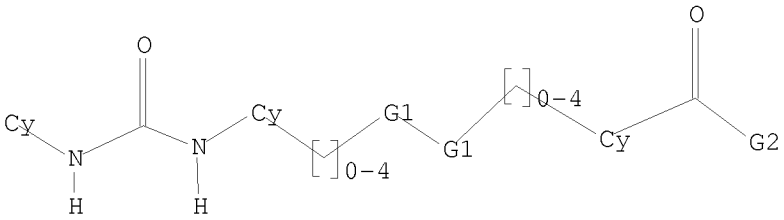
L6 STR




G1 O,S,N,C

G2 O,N,C

G3 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s L6 sss full
FULL SEARCH INITIATED 12:36:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1449762 TO ITERATE

100.0% PROCESSED 1449762 ITERATIONS 29 ANSWERS
SEARCH TIME: 00.00.07

L7 29 SEA SSS FUL L6

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 192.03 | 398.87 |

FILE 'CAPLUS' ENTERED AT 12:36:37 ON 10 NOV 2010


FILE COVERS 1907 - 10 Nov 2010 VOL 153 ISS 20
FILE LAST UPDATED: 9 Nov 2010 (20101109/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s L7
L8 16 L7

=> d L8 ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 16 ANSWERS - CONTINUE? Y/(N):y

L8 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:440299 CAPLUS
DOCUMENT NUMBER: 144:468030
TITLE: Preparation of novel nicotinamide pyridinureas as vascular endothelial growth factor (VEGF) receptor kinase inhibitors
INVENTOR(S): Bohlmann, Rolf; Haberey, Martin; Hess-Stumpp, Holger; Huth, Andreas; Ince, Stuart; Krueger, Martin; Thierauch, Karl-Heinz
PATENT ASSIGNEE(S): Schering Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2006048249 | A1 | 20060511 | WO 2005-EP11709 | 20051028 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| EP 1655297 | A1 | 20060510 | EP 2004-90420 | 20041103 |
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| AU 2005300734 | A1 | 20060511 | AU 2005-300734 | 20051028 |
| CA 2586265 | A1 | 20060511 | CA 2005-2586265 | 20051028 |
| EP 1807416 | A1 | 20070718 | EP 2005-806225 | 20051028 |
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| CN 101056870 | A | 20071017 | CN 2005-80038130 | 20051028 |
| JP 2008518893 | T | 20080605 | JP 2007-538358 | 20051028 |
| BR 2005015725 | A | 20080805 | BR 2005-15725 | 20051028 |
| US 20060160861 | A1 | 20060720 | US 2005-262953 | 20051101 |
| IN 2007DN02886 | A | 20070817 | IN 2007-DN2886 | 20070418 |
| MX 2007005340 | A | 20070817 | MX 2007-5340 | 20070503 |
| NO 2007002803 | A | 20070802 | NO 2007-2803 | 20070601 |
| KR 2007085609 | A | 20070827 | KR 2007-7012381 | 20070601 |
| ZA 2007005003 | A | 20080925 | ZA 2007-5003 | 20070601 |

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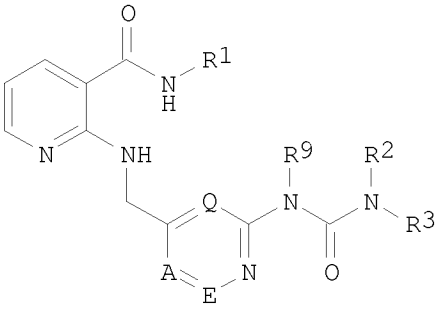
| PRIORITY APPLN. INFO.: | EP 2004-90420 | A | 20041103 |
| | US 2004-626918P | P | 20041112 |

WO 2005-EP11709 W 20051028

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 144:468030; MARPAT 144:468030

GI



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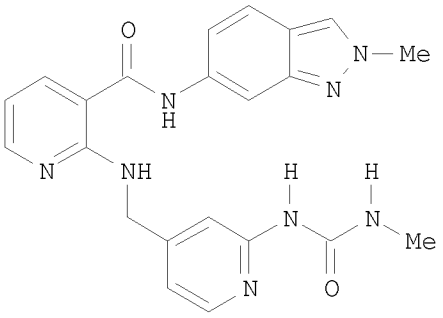


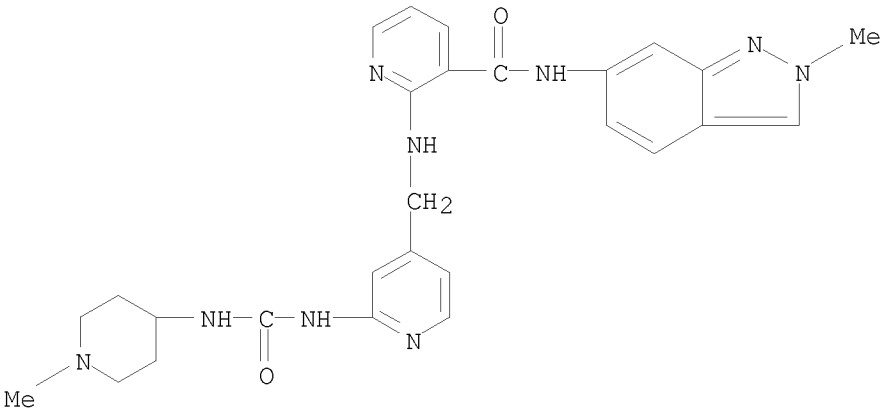
II

AB The title compds. I [A, E and Q = CH or N (only maximum of 2 N atoms are contained in the ring); R1 = (un)substituted (hetero)aryl; R2, R3, R9 = H, alkyl, haloalkyl, etc.; or R9 = H, and NR2R3 = (un)substituted 3-8 membered heterocycloalkyl, preferably 4-7 membered heterocycloalkyl, more preferably 5-6 membered heterocycloalkyl; or R3 = H, alkyl, alkoxyalkyl, and R2 and R9 together with the two N atoms to which they are attached form 5-7 membered ring, preferably 5-6 membered ring] which are VEGF receptor kinase inhibitors useful as pharmaceutical agents for preventing or treating diseases that are triggered by persistent angiogenesis, were prepared E.g., a multi-step synthesis of II, starting from 2-chloroisonicotinonitrile, was given. II showed IC50 of 10 nM against KDR kinase (VEGFR-2). Pharmaceutical composition comprising the compound I is disclosed.

IT 886586-82-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel nicotinamide pyridinureas as VEGF receptor kinase inhibitors for treating and preventing diseases that are triggered by persistent angiogenesis)

RN 886586-82-9 CAPLUS

CN 3-Pyridinecarboxamide, N-(2-methyl-2H-indazol-6-yl)-2-[[[2-[[[(1-methyl-4-piperidinyl)amino]carbonyl]amino]-4-pyridinyl]methyl]amino]- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:1004711 CAPLUS
DOCUMENT NUMBER: 143:286294
TITLE: Preparation of (pyridin-4-ylalkylthio)pyridine derivatives for treatment of diseases in which angiogenesis participates
INVENTOR(S): Honda, Takahiro; Tajima, Hisashi; Kawashima, Kenji; Okamoto, Kazuyoshi; Yamamoto, Minoru; Inaba, Takaaki; Takeno, Yuriko
PATENT ASSIGNEE(S): Santen Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 322 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2005085201 | A1 | 20050915 | WO 2005-JP2971 | 20050217 |
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| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2005219689 | A1 | 20050915 | AU 2005-219689 | 20050217 |
| CA 2555712 | A1 | 20050915 | CA 2005-2555712 | 20050217 |
| JP 2006096739 | A | 20060413 | JP 2005-84772 | 20050217 |
| EP 1717229 | A1 | 20061102 | EP 2005-710622 | 20050217 |
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| CN 1918127 | A | 20070221 | CN 2005-80005051 | 20050217 |
| BR 2005007757 | A | 20070710 | BR 2005-7757 | 20050217 |

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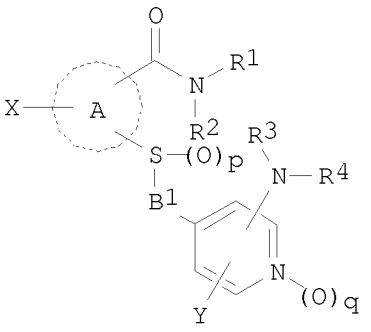
| NZ 548949 | A | 20090925 | NZ 2005-548949 | | 20050217 |
| US 20070149574 | A1 | 20070628 | US 2006-587410 | | 20060727 |
| US 7544703 | B2 | 20090609 | | | |
| MX 2006009290 | A | 20061009 | MX 2006-9290 | | 20060816 |
| KR 2006135818 | A | 20061229 | KR 2006-7019034 | | 20060915 |
| PRIORITY APPLN. INFO.: | | | JP 2004-39862 | A | 20040217 |
| | | | JP 2004-294347 | A | 20040906 |
| | | | WO 2005-JP2971 | W | 20050217 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 143:286294
GI

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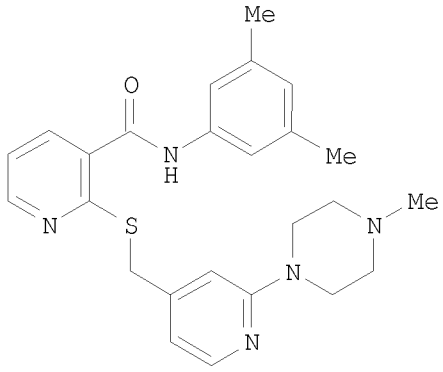


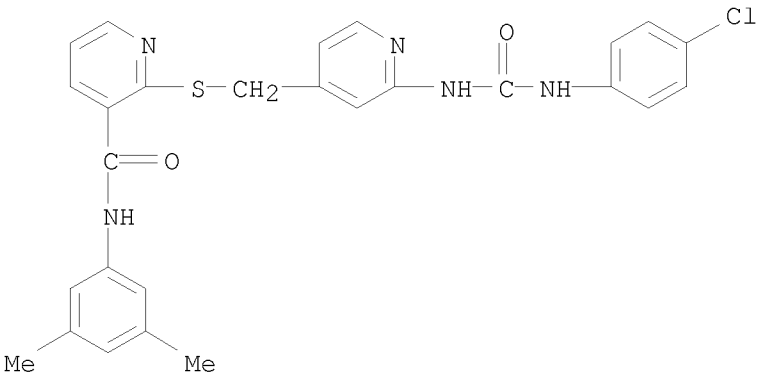

II

AB The title compds. I [wherein ring A = benzene, heterocycle, etc.; R1 and R2 = independently H, OH, alkoxy, etc.; R3 and R4 = independently H, (un)substituted alkyl, etc.; X and Y = independently H, halo, OH, etc.; B1 = alkylene; p = 0-2; q = 0 or 1] or salts thereof were prepared for the treatment of diseases in which angiogenesis participates. For example, the compound II was prepared in a multi-step synthesis in good yield. II inhibited 97% angiogenesis at the concentration of 20 μg/mL in cow. Some of compds. I showed good anticancer activity in rat. Formulations containing I as an active ingredient were also described.

IT 864458-58-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of (pyridin-4-ylalkylthio)pyridine derivs. for treatment of diseases in which angiogenesis participates)

RN 864458-58-2 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[[(4-chlorophenyl)amino]carbonyl]amino]-4-pyridinyl]methyl]thio]-N-(3,5-dimethylphenyl)- (CA INDEX NAME)




OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:470256 CAPLUS
DOCUMENT NUMBER: 143:20052
TITLE: Urea derivatives as kinase modulators
INVENTOR(S): Milanov, Zdravko V.; Patel, Hitesh K.; Grotzfeld, Robert M.; Mehta, Shamal A.; Andiliy, Lai G.; Lockhart, David J.
PATENT ASSIGNEE(S): Ambit Biosciences Corporation, USA
SOURCE: PCT Int. Appl., 350 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2005048948 | A2 | 20050602 | WO 2004-US38288 | 20041115 |
| WO 2005048948 | A3 | 20050728 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2004291147 | A1 | 20050602 | AU 2004-291147 | 20041115 |
| CA 2545711 | A1 | 20050602 | CA 2004-2545711 | 20041115 |
| US 20050148605 | A1 | 20050707 | US 2004-989745 | 20041115 |
| US 20050165031 | A1 | 20050728 | US 2004-989814 | 20041115 |
| US 20050165024 | A1 | 20050728 | US 2004-989824 | 20041115 |
| US 7750160 | B2 | 20100706 | | |
| US 20050165074 | A1 | 20050728 | US 2004-990007 | 20041115 |
| US 20050171171 | A1 | 20050804 | US 2004-989766 | 20041115 |
| US 20050171172 | A1 | 20050804 | US 2004-989823 | 20041115 |
| US 20050192314 | A1 | 20050901 | US 2004-990195 | 20041115 |
| US 20050197371 | A1 | 20050908 | US 2004-990194 | 20041115 |

| | | | | | |
|---|---|---|---|---|---|
| US 20050261315 | A1 | 20051124 | US 2004-989623 | | 20041115 |
| US 7767670 | B2 | 20100803 | | | |
| US 20050267182 | A1 | 20051201 | US 2004-989717 | | 20041115 |
| EP 1684762 | A2 | 20060802 | EP 2004-811122 | | 20041115 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS | | | | | |
| JP 2007512255 | T | 20070517 | JP 2006-539991 | | 20041115 |
| US 20100173917 | A1 | 20100708 | US 2010-714331 | | 20100226 |
| PRIORITY APPLN. INFO.: | | | US 2003-520273P | P | 20031113 |
| | | | US 2003-527094P | P | 20031203 |
| | | | US 2003-531082P | P | 20031218 |
| | | | US 2003-531243P | P | 20031218 |
| | | | US 2004-989814 | B1 | 20041115 |
| | | | WO 2004-US38288 | W | 20041115 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

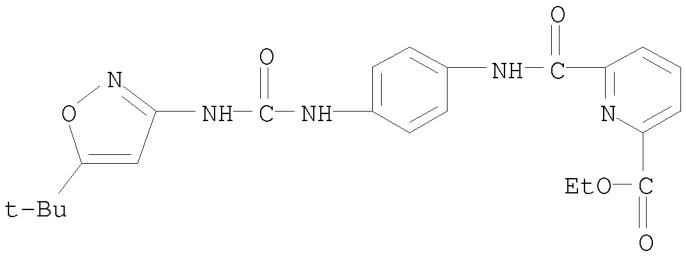
OTHER SOURCE(S): MARPAT 143:20052

AB The invention provides methods and compns. for treating conditions mediated by various kinases wherein derivs. of urea compds. are employed. The invention also provides methods of using the compds. and/or compns. in the treatment of a variety of diseases and unwanted conditions in subjects such as cellular proliferative disorders.

IT 852668-71-4 852668-77-0 852669-80-8
852671-14-8
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(urea derivs. as kinase modulators for treatment of cellular proliferative disorders)

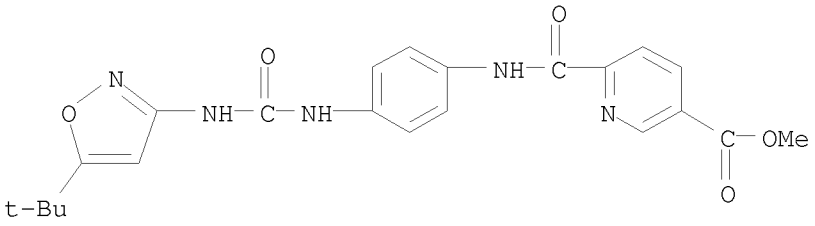
RN 852668-71-4 CAPLUS

CN 2-Pyridinecarboxylic acid, 6-[[[4-[[[5-(1,1-dimethylethyl)-3-isoxazolyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-, ethyl ester (CA INDEX NAME)



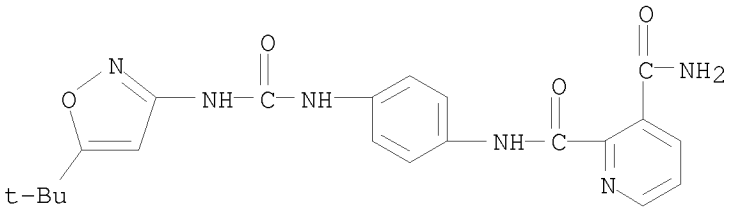
RN 852668-77-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 6-[[[4-[[[5-(1,1-dimethylethyl)-3-isoxazolyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

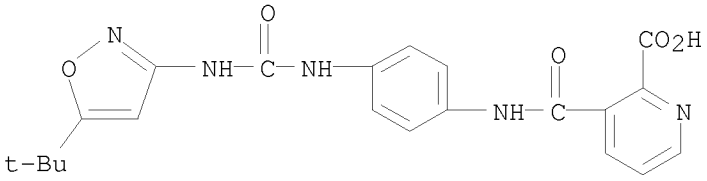


RN 852669-80-8 CAPLUS

CN 2,3-Pyridinedicarboxamide, N2-[4-[[[[5-(1,1-dimethylethyl)-3-isoxazolyl]amino]carbonyl]amino]phenyl]- (CA INDEX NAME)



RN 852671-14-8 CAPLUS
CN 2-Pyridinecarboxylic acid, 3-[[[4-[[[[5-(1,1-dimethylethyl)-3-isoxazolyl]amino]carbonyl]amino]phenyl]amino]carbonyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (19 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:756711 CAPLUS
DOCUMENT NUMBER: 141:277641
TITLE: Preparation of bicyclic (hetero)aryl- and pyridine-containing diaryl ureas as Raf kinase and angiogenesis inhibitors useful in the treatment of cancer and other disorders
INVENTOR(S): Dumas, Jacques; Boyer, Stephen; Verma, Sharad; Adnane, Lila; Chen, Yuanwei; Lee, Wendy; Phillips, Barton; Smith, Roger A.; Scott, William J.; Burke, Jennifer; Chen, Jianqing; Chen, Zhi; Fan, Jianmei; Miranda, Karl; Raudenbush, Brian; Redman, Aniko; Shao, Jianxing; Su, Ning; Wang, Gan; Yi, Lin; Zhu, Qingming
PATENT ASSIGNEE(S): Bayer Pharmaceuticals Corporation, USA
SOURCE: PCT Int. Appl., 162 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2004078748 | A2 | 20040916 | WO 2004-US6287 | 20040301 |
| WO 2004078748 | A3 | 20041111 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,

BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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|---|---|---|---|---|---|
| CA 2516931 | A1 | 20040916 | CA 2004-2516931 | | 20040301 |
| EP 1608639 | A2 | 20051228 | EP 2004-716166 | | 20040301 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK | | | | | |
| JP 2006519265 | T | 20060824 | JP 2006-508978 | | 20040301 |
| MX 2005009104 | A | 20060531 | MX 2005-9104 | | 20050826 |
| US 20100075971 | A1 | 20100325 | US 2009-628735 | | 20091201 |
| PRIORITY APPLN. INFO.: | | | US 2003-450348P | P | 20030228 |
| | | | US 2003-450323P | P | 20030228 |
| | | | US 2003-450324P | P | 20030228 |
| | | | US 2004-789446 | B1 | 20040301 |
| | | | WO 2004-US6287 | W | 20040301 |

OTHER SOURCE(S): MARPAT 141:277641

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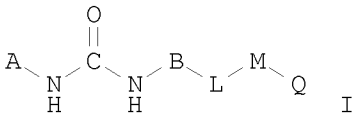

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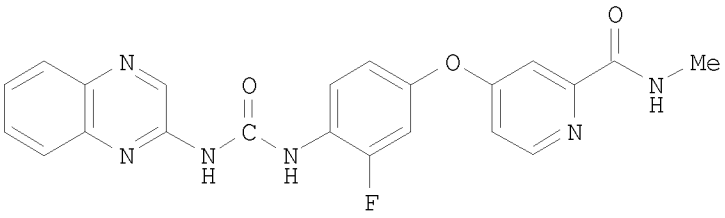


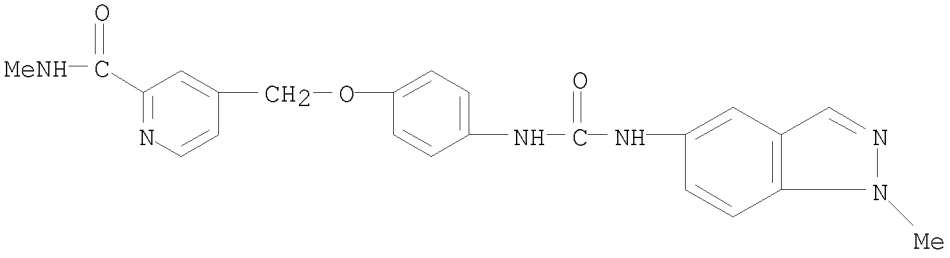
II


AB Title compds. I [wherein A = benzimidazolyl, 2,3-dihydro-1H-indolyl, 2,3-dihydro-1H-indenyl, 1H- or 2H-indazolyl, 1,3-benzodioxin-6-yl, quinoxalinyl, etc.; B = (un)substituted Ph, naphthyl, pyridinyl, quinolinyl; L = (CH2)m-D-(CH2)n; m, n = independently 0-4; D = O, C(:O), NH and derivs., NHCO and derivs., S, CONH and derivs.; M = (un)substituted pyridine ring; Q = C(:O)H and derivs., CO2H and derivs., CONH2 and derivs.; and their pharmaceutically acceptable salts, prodrugs, and metabolites] were prepared as Raf kinase inhibitors for treating hyper-proliferative and angiogenesis disorders, alone or in combination with cytotoxic therapies. For example, urea II was prepared from 4-(4-Amino-3-fluorophenoxy)-N-methylpyridine-2-carboxamide (preparation given), triphosgene, 2-aminoquinoxaline, in the presence of DIPEA/anhydrous DMF at 75°. Selected I showed 80% inhibition of c-Raf kinase at 1 μM. Thus, I are useful for treating cancer and other Raf kinase-mediated diseases.

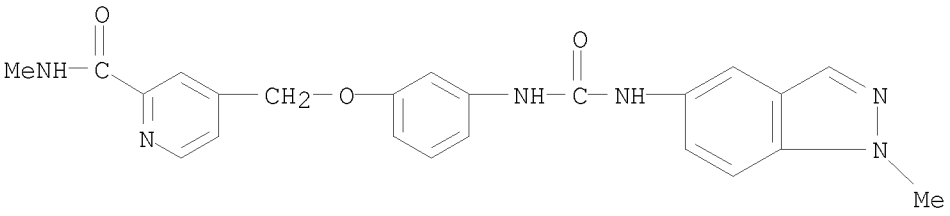

IT 757250-50-3P, N-Methyl-4-[[4-[[[(1-methyl-1H-indazol-5-yl)amino]carbonyl]amino]phenoxy]methyl]pyridine-2-carboxamide
757250-51-4P, N-Methyl-4-[[3-[[[(1-methyl-1H-indazol-5-yl)amino]carbonyl]amino]phenoxy]methyl]pyridine-2-carboxamide

757250-52-5P, 4-[[3-Fluoro-4-[[[(1-methyl-1H-indazol-5-yl)amino]carbonyl]amino]phenoxy]methyl]-N-methylpyridine-2-carboxamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Raf kinase inhibitor; preparation of (hetero)aryl- and pyridine-containing diaryl ureas for treating cancer and other disorders)

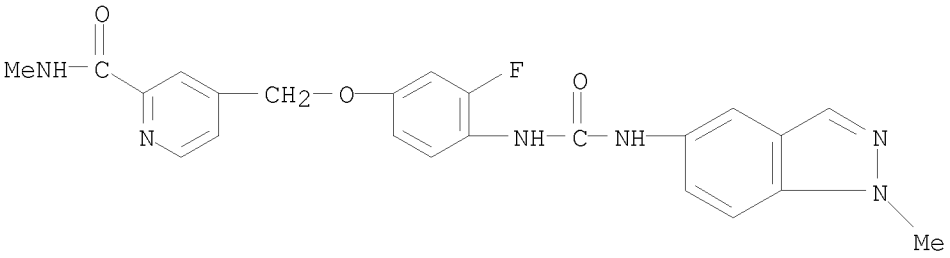
RN 757250-50-3 CAPLUS
CN 2-Pyridinecarboxamide, N-methyl-4-[[4-[[[(1-methyl-1H-indazol-5-yl)amino]carbonyl]amino]phenoxy]methyl]- (CA INDEX NAME)



RN 757250-51-4 CAPLUS
CN 2-Pyridinecarboxamide, N-methyl-4-[[3-[[[(1-methyl-1H-indazol-5-yl)amino]carbonyl]amino]phenoxy]methyl]- (CA INDEX NAME)



RN 757250-52-5 CAPLUS
CN 2-Pyridinecarboxamide, 4-[[3-fluoro-4-[[[(1-methyl-1H-indazol-5-yl)amino]carbonyl]amino]phenoxy]methyl]-N-methyl- (CA INDEX NAME)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L8 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:696888 CAPLUS
DOCUMENT NUMBER: 139:230482
TITLE: Preparation of 1,4-disubstituted benzofused cycloalkyl

urea compounds useful in treating cytokine mediated diseases

INVENTOR(S): Cirillo, Pier F.; Regan, John R.; Hammach, Abdelhakim

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 89 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | | DATE |
|---|---|---|---|---|---|
| WO 2003072569 | A1 | 20030904 | WO 2003-US7268 | | 20030219 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW | | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | | |
| CA 2473634 | A1 | 20030904 | CA 2003-2473634 | | 20030219 |
| AU 2003213806 | A1 | 20030909 | AU 2003-213806 | | 20030219 |
| US 20030232865 | A1 | 20031218 | US 2003-369847 | | 20030219 |
| US 7041669 | B2 | 20060509 | | | |
| EP 1480973 | A1 | 20041201 | EP 2003-711498 | | 20030219 |
| EP 1480973 | B1 | 20080213 | | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | | |
| JP 2005518447 | T | 20050623 | JP 2003-571275 | | 20030219 |
| AT 386030 | T | 20080315 | AT 2003-711498 | | 20030219 |
| ES 2299689 | T3 | 20080601 | ES 2003-711498 | | 20030219 |
| PRIORITY APPLN. INFO.: | | | US 2002-359809P | P | 20020225 |
| | | | WO 2003-US7268 | W | 20030219 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:230482

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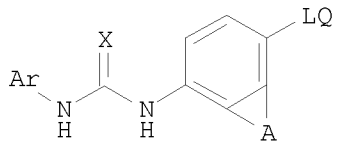


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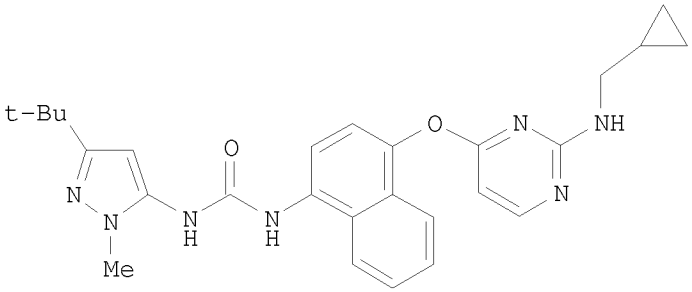



II

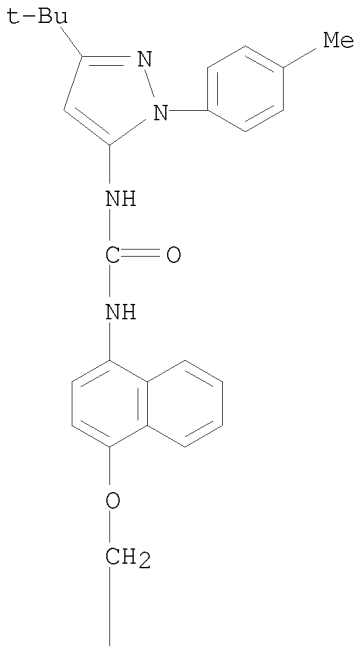
AB Benzo-fused urea compds. of formula I [A = (substituted) alkylene; Ar = pyrrole, pyrrolidine, pyrazole, imidazole, oxazole, thiazole, furan, thiophene; L = O, S, NH, alkylene, etc.; Q = Ph, pyridine, pyrimidine, imidazole, furan, pyran, morpholine, etc.; X = O, S] are prepared The compds. inhibit production of cytokines involved in inflammatory processes and are thus useful for treating diseases and pathol. conditions involving inflammation such as chronic inflammatory disease. Also disclosed are processes for preparing these compds. and compns., and pharmaceutical compns. comprising these compds. Thus, II was prepared from 4-amino-1-naphthol hydrochloride, 2,4-dichloropyrimidine, cyclopropanemethylamine and 5-amino-3-tert-butyl-1-methylpyrazole.

IT 591772-72-4P 591772-74-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzo-fused cycloalkyl urea compds. as inhibitors of cytokine production)

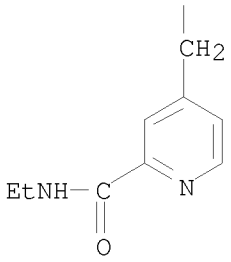
RN 591772-72-4 CAPLUS

CN 2-Pyridinecarboxamide, 4-[2-[[4-[[[[3-(1,1-dimethylethyl)-1-(4-methylphenyl)-1H-pyrazol-5-yl]amino]carbonyl]amino]-1-naphthalenyl]oxy]ethyl]-N-ethyl- (CA INDEX NAME)

PAGE 1-A

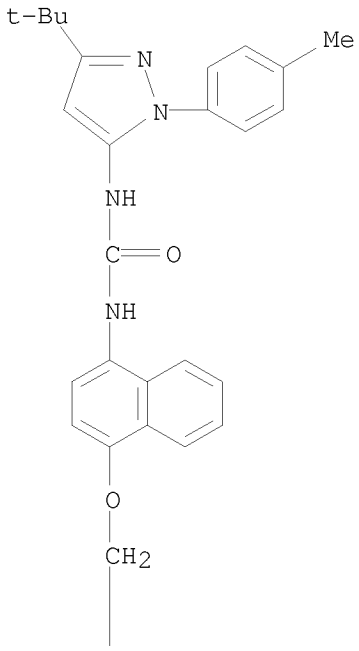


PAGE 2-A

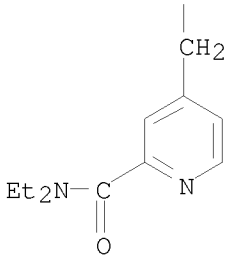


RN 591772-74-6 CAPLUS
CN 2-Pyridinecarboxamide, 4-[2-[[4-[[[[3-(1,1-dimethylethyl)-1-(4-methylphenyl)-1H-pyrazol-5-yl]amino]carbonyl]amino]-1-naphthalenyl]oxy]ethyl]-N,N-diethyl- (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



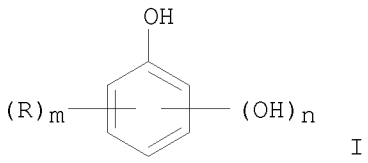
OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:217318 CAPLUS
DOCUMENT NUMBER: 138:245495
TITLE: Development method for silver halide photographic material
INVENTOR(S): Hirano, Mitsunori
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 46 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 2003084382 | A | 20030319 | JP 2001-236526 | 20010803 |
| PRIORITY APPLN. INFO.: | | | JP 2001-191152 A | 20010625 |

OTHER SOURCE(S): MARPAT 138:245495
GI



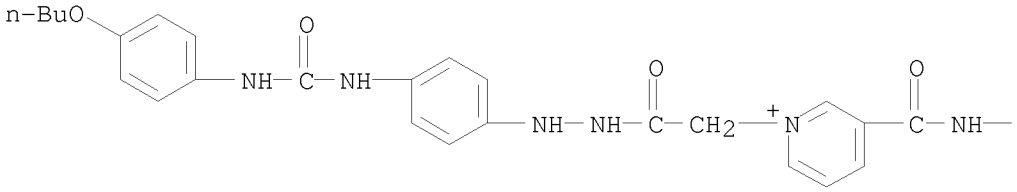
I

AB The material has ≥1 Ag halide emulsion layer and/or other hydrophilic layer containing a dimer in which monomers with both acylhydrazide and nicotinamide groups are connected through a linking group. It is developed with a developer with 9.0-10.5 pH free from a dihydroxybenzene, containing (1) ≥1 ascorbic acid derivative or (2) ≥1 ascorbic acid derivative and I [R = SO3M, CO2M, (un)substituted amino, or (un)substituted ammonio; M = H, alkali metal, (un)substituted ammonio; n = 1, 2; m = 1-3]. The method prevents pepper fog at low replenishment, providing high contrast images.

IT 481050-07-1
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(photog. film containing dimer with acylhydrazide and nicotinamide groups as nucleating agent)

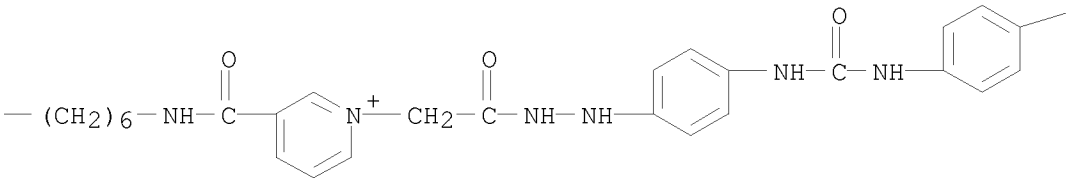
RN 481050-07-1 CAPLUS
CN Pyridinium, 3,3'-[1,6-hexanediylbis(iminocarbonyl)]bis[1-[2-[4-[[[(4-butoxyphenyl)amino]carbonyl]amino]phenyl]hydrazino]-2-oxoethyl]-, dichloride (9CI) (CA INDEX NAME)

PAGE 1-A



● 2 $Cl^-$

PAGE 1-B



PAGE 1-C

OBu-n

L8 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:14486 CAPLUS
DOCUMENT NUMBER: 138:80583
TITLE: Silver halide photographic material containing surfactant and nucleating agent
INVENTOR(S): Ezoe, Toshihide; Goto, Takahiro
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 53 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 2003005319 | A | 20030108 | JP 2001-183317 | 20010618 |
| JP 4206650 | B2 | 20090114 | | |
| PRIORITY APPLN. INFO.: | | | JP 2001-183317 | 20010618 |

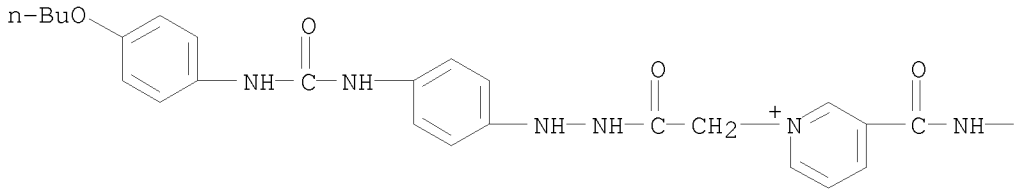
AB The material has ≥1 photosensitive Ag halide emulsion layer containing RfRcZ (Rf = perfluoroalkyl; Rc = C≥2 alkylene; Z = group with anionic, cationic, or nonionic group) and a dimer in which monomers containing an acylhydrazide and a nicotinamide are bonded with a linking group. The material shows high contrast and good storage stability.
IT 481050-07-1
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(nucleating agent; photog. film containing surfactant and dimer with acylhydrazide and nicotinamide groups as nucleating agent)

RN 481050-07-1 CAPLUS

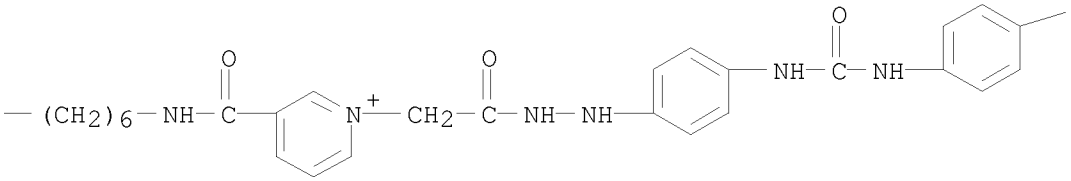
CN Pyridinium, 3,3'-[1,6-hexanediylbis(iminocarbonyl)]bis[1-[2-[4-[[[(4-butoxyphenyl)amino]carbonyl]amino]phenyl]hydrazino]-2-oxoethyl]-, dichloride (9CI) (CA INDEX NAME)

PAGE 1-A




●2 Cl⁻

PAGE 1-B




PAGE 1-C

OBu-n

L8 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:591790 CAPLUS

DOCUMENT NUMBER: 137:147715

TITLE: High contrast photographic film containing novel combination of hydrazide nucleating agents

INVENTOR(S): Baker, Julie; Barford, Ian; Coldrick, Philip J.; Jenkins, Dawn J.; Piggin, Roger H.

PATENT ASSIGNEE(S): Eastman Kodak Company, USA

SOURCE: Eur. Pat. Appl., 51 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| EP 1229383 | A1 | 20020807 | EP 2002-75344 | 20020128 |
| EP 1229383 | B1 | 20040407 | | |

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

| | | | | |
|---|---|---|---|---|
| US 20020192589 | A1 | 20021219 | US 2002-40672 | 20020107 |
| US 6573021 | B2 | 20030603 | | |
| JP 2002244240 | A | 20020830 | JP 2002-28451 | 20020205 |
| JP 3943408 | B2 | 20070711 | | |

PRIORITY APPLN. INFO.: GB 2001-2880 A 20010206

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 137:147715

AB The invention relates to an ultrahigh contrast photog. film comprising a support bearing a silver halide emulsion layer, containing a combination of two or more hydrazide nucleating agents in the emulsion layer and/or a hydrophilic colloid layer, characterized in that the combination comprises a nucleating agent(s) of formulas (I) and/or (II) with a nucleator of formula (III) which are further disclosed in the claims, and in which the nucleating agent of formula (I) comprises (a) two nicotinamide moieties, which may be the same or different, which are linked by a linking group, and (b) a hydrazide moiety linked to only one of those nicotinamide moieties; the nucleating agent of formula (II) comprises a dimeric mol. comprising two monomers linked by a linking group, each monomer of which (a) may be the same or different and (b) comprises a hydrazide moiety and a nicotinamide moiety; and the nucleating agent of formula (III) comprises an aryl sulfonamido aryl hydrazide. The combination of nucleating agents show less sensitivity to variation in the development conditions than do the individual nucleating types, leading to significant improvements in processing robustness with less change in image quality with processing and tolerance to a wider range of developer solns.

IT 344315-62-4P 344315-64-6P

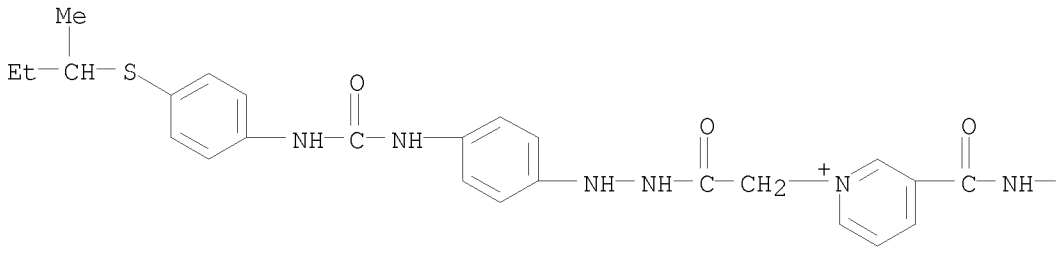
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(nucleating agent; high contrast photog. film containing novel combination of hydrazide nucleating agents)

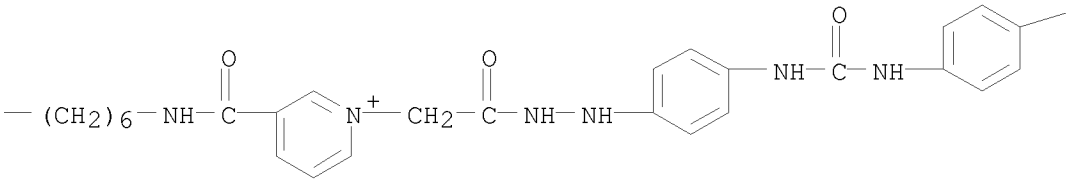
RN 344315-62-4 CAPLUS

CN Pyridinium, 3,3'-[1,6-hexanediylbis(iminocarbonyl)]bis[1-[2-[2-[4-[[[[4-[(1-methylpropyl)thio]phenyl]amino]carbonyl]amino]phenyl]hydrazino]-2-oxoethyl]-, dichloride (9CI) (CA INDEX NAME)

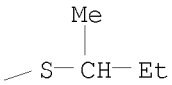
PAGE 1-A



PAGE 1-B

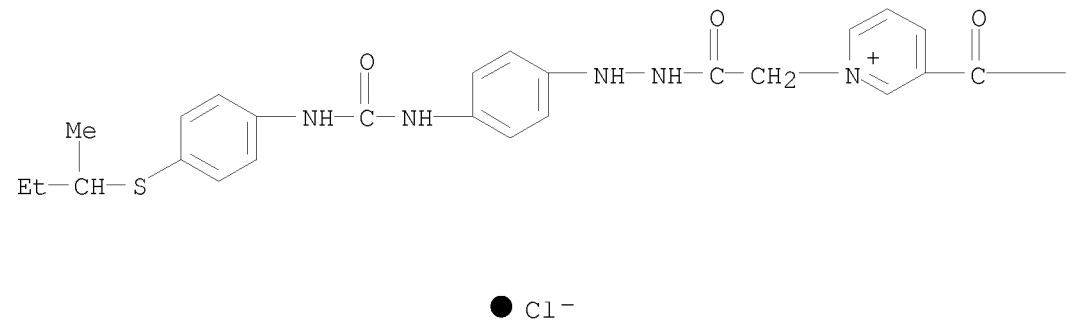


PAGE 1-C

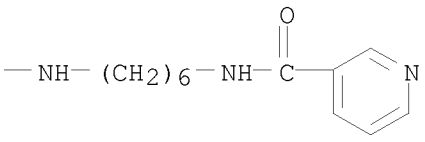


RN 344315-64-6 CAPLUS
CN Pyridinium, 1-[2-[2-[4-[[[[4-[(1-methylpropyl)thio]phenyl]amino]carbonyl]amino]phenyl]hydrazinyl]-2-oxoethyl]-3-[[[6-[(3-pyridinylcarbonyl)amino]hexyl]amino]carbonyl]-, chloride (1:1) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2001:918936 CAPLUS
DOCUMENT NUMBER: 136:45616
TITLE: High contrast photographic element containing a nucleator

INVENTOR(S): Bogie, Judith Anne; Coldrick, Philip John; Goddard, John Demita; Leyshon, Llewellyn James
PATENT ASSIGNEE(S): Eastman Kodak Company, USA
SOURCE: Eur. Pat. Appl., 44 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| EP 1164413 | A1 | 20011219 | EP 2001-201989 | 20010528 |
| EP 1164413 | B1 | 20061102 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| JP 2002040588 | A | 20020206 | JP 2001-176666 | 20010612 |
| JP 4402320 | B2 | 20100120 | | |

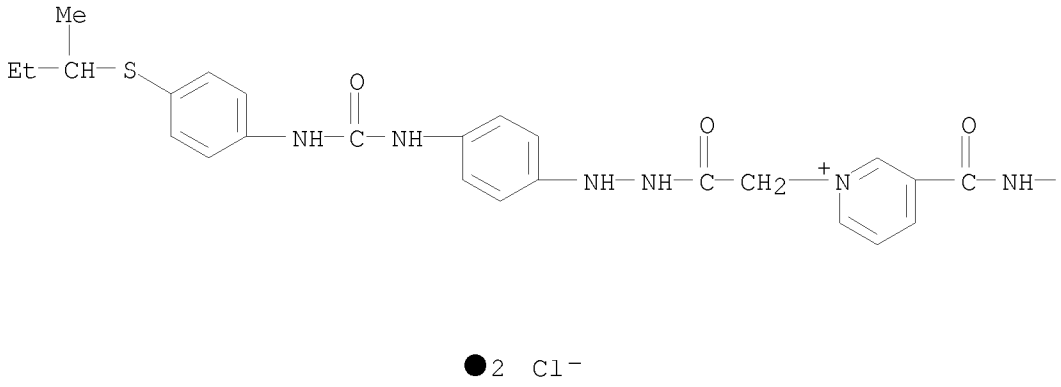
PRIORITY APPLN. INFO.: GB 2000-14329 A 20000612
OTHER SOURCE(S): MARPAT 136:45616

AB The invention relates to an ultrahigh contrast photog. material comprising a support bearing a silver halide emulsion layer, containing a hydrazide nucleating agent in the emulsion layer or a hydrophilic colloid layer, characterized in that the nucleating agent Z1-L-Z2-Y-NA1NA2-BG (T)n or Z1-L-Z2-BG-NA1NA2-Y (T)n (Z1,2 = nicotinamide residue, at least one of then is pos. charged; Y = aryl, heterocyclic ring; A1,2 = H, acyl, alkyl-sulfonyl aryl-sulfonyl; BG = blocking group; L = linking group; T = anionic counterion; n = 1,2) comprises (a) two nicotinamide moieties, which may be the same or different, which are linked by a linking group, and (b) a hydrazide moiety linked to only one of the nicotinamide moieties. The nucleator of above may be in combination with a nucleator of L-[Z-Y-NA1NA2-BG]2 2T or L-[Z-BG-NA1NA2-Y]2 2T (Z = pos. charged nicotinamide residue) which comprises a dimeric mol. comprising two monomers linked by a linking group, each monomer of which (a) may be the same or different and (b) comprises a hydrazide moiety and a nicotinamide moiety. The photog. material provides unexpectedly good nucleation in the absence of, or with reduced amts. of, booster and in a developer whose pH is variable, and further with lower chemical spread and pepper fog. When the synthesis provides both a compound, the products can be used directly without a separation step, providing a cost advantage.

IT 344315-62-4P 380383-39-1P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(hydrazide nucleator agent for high contrast photog. element)

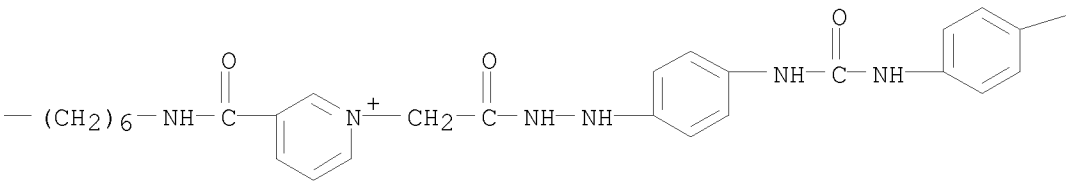
RN 344315-62-4 CAPLUS
CN Pyridinium, 3,3'-[1,6-hexanediylbis(iminocarbonyl)]bis[1-[2-[2-[4-[[[[4-[(1-methylpropyl)thio]phenyl]amino]carbonyl]amino]phenyl]hydrazino]-2-oxoethyl]-, dichloride (9CI) (CA INDEX NAME)

PAGE 1-A

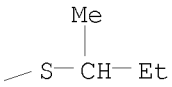


● 2 Cl⁻

PAGE 1-B

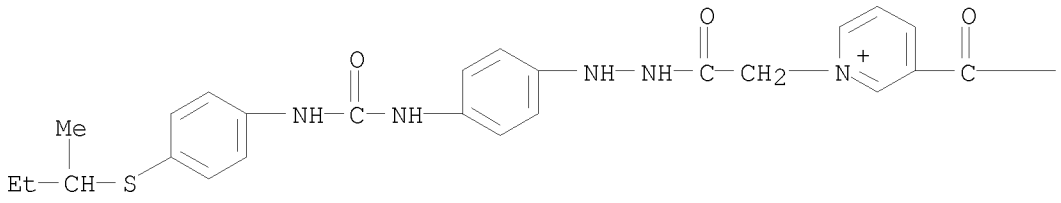


PAGE 1-C

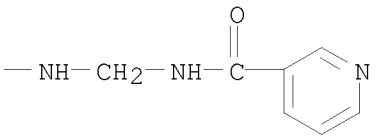


RN 380383-39-1 CAPLUS
CN Pyridinium, 1-[2-[2-[4-[[[[4-[(1-methylpropyl)thio]phenyl]amino]carbonyl]amino]phenyl]hydrazinyl]-2-oxoethyl]-3-[[[[(3-pyridinylcarbonyl)amino]methyl]amino]carbonyl]-, chloride (1:1) (CA INDEX NAME)

PAGE 1-A



● Cl⁻



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2001:427325 CAPLUS
DOCUMENT NUMBER: 135:38862
TITLE: High contrast photographic film containing a novel nucleator
INVENTOR(S): Bogie, Judith A.; Coldrick, Philip J.; Goddard, John D.; Leyshon, Llewellyn J.
PATENT ASSIGNEE(S): Eastman Kodak Company, USA
SOURCE: U.S., 23 pp., Cont.-in-part of U.S. 6,143,462.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| US 6245480 | B1 | 20010612 | US 2000-591774 | 20000612 |
| US 6143462 | A | 20001107 | US 1999-444777 | 19991122 |
| US 6228566 | B1 | 20010508 | US 2000-618357 | 20000718 |
| PRIORITY APPLN. INFO.: | | | GB 1998-26870 A | 19981208 |
| | | | US 1999-444777 A2 | 19991122 |

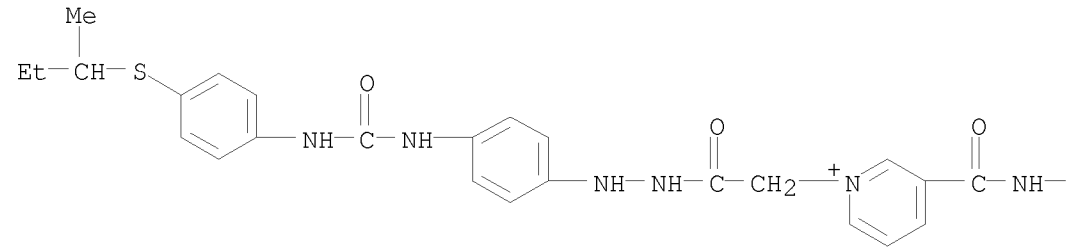
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 135:38862
AB The invention relates to an ultrahigh contrast photog. material comprising a support bearing a silver halide emulsion layer, containing a hydrazide nucleating agent in the emulsion layer or in adjacent hydrophilic colloid layer, characterized in that the nucleating agent of the formula (I): Z1-L-Z2-Y-N(A2)-N(A1)-BG•(T)n (Z1, Z2 = nicotinamide residue, at least one of which is pos. charged; Y = aryl, heterocyclic ring; A1, A2 = H, acyl, alkyl- or aryl-sulfonyl; BG = blocking group; L = linking group; T = anionic counterion, n = 1, 2; BG and Y can be interchanged) comprises (a) two nicotinamide moieties, which may be the same or different, which are linked by a linking group, and (b) a hydrazide moiety linked to only one of the nicotinamide moieties. The nucleator of formula I may be in combination with a nucleator of formula (II): L-{Z-Y-N(A2)-N(A1)-BG}2•2T (each monomer linked by linking group L is the same or different; Z = pos. charged nicotinamide residue; Y, A1, A2, BG, L and T are as defined for a compound of formula I) that comprises a dimeric mol. comprising two monomers linked by a linking group, each monomer of which (a) may be the same or different and (b) comprises a hydrazide moiety and a nicotinamide moiety. The photog. material provides unexpectedly good nucleation in the absence of, or with reduced amts. of, booster and in a developer whose pH is variable, and further with lower chemical spread and pepper fog. When the synthesis provides both a compound of formula I and II, the products can be used directly without a separation step,

providing a cost advantage.

IT 344315-62-4P 344315-64-6P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)
(nucleating agent; high contrast photog. element containing novel nucleator providing good nucleation in absence or with reduced amts. of booster)

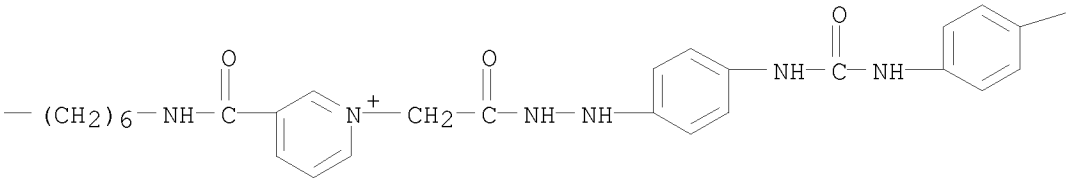
RN 344315-62-4 CAPLUS
CN Pyridinium, 3,3'-[1,6-hexanediylbis(iminocarbonyl)]bis[1-[2-[2-[4-[[[[4-[(1-methylpropyl)thio]phenyl]amino]carbonyl]amino]phenyl]hydrazino]-2-oxoethyl]-, dichloride (9CI) (CA INDEX NAME)

PAGE 1-A



●2 Cl⁻

PAGE 1-B



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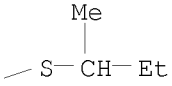
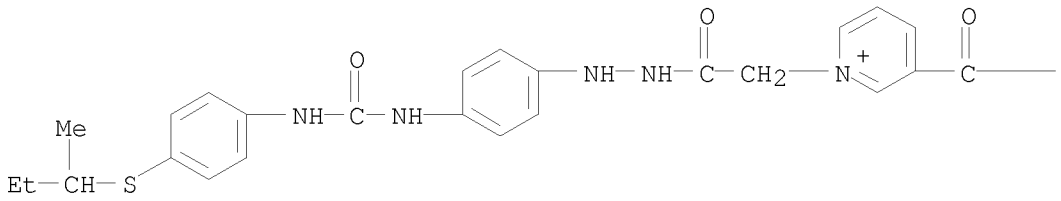


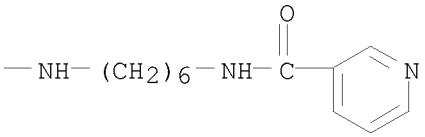
RN 344315-64-6 CAPLUS
CN Pyridinium, 1-[2-[2-[4-[[[[4-[(1-methylpropyl)thio]phenyl]amino]carbonyl]amino]phenyl]hydrazinyl]-2-oxoethyl]-3-[[[6-[(3-pyridinylcarbonyl)amino]hexyl]amino]carbonyl]-, chloride (1:1) (CA INDEX NAME)

PAGE 1-A



● $Cl^-$

PAGE 1-B

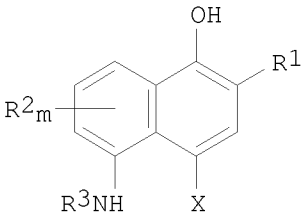


OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

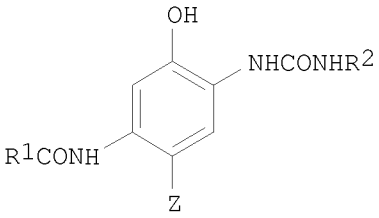
L8 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:261782 CAPLUS
DOCUMENT NUMBER: 126:244786
ORIGINAL REFERENCE NO.: 126:47217a,47220a
TITLE: Silver halide color photographic material containing aminonaphthol or phenylureidephenol cyan coupler and the image-forming method
INVENTOR(S): Nakagawa, Hajime; Tsukahara, Jiro
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 57 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 09026652 | A | 19970128 | JP 1995-197910 | 19950712 |

PRIORITY APPLN. INFO.: JP 1995-197910 19950712
GI



I



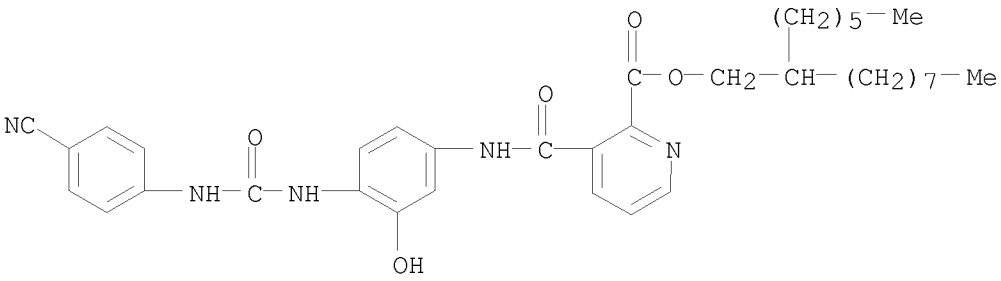
II

AB Claimed photog. material having ≥1 each of red-, blue- and green-sensitive Ag halide emulsion layers and a light-insensitive layer on a support is characterized by (1) that the cyan coupler-containing layer contains a 4-equivalent cyan coupler, (2) that ≥90% of the 4-equiv coupler is a 5-amidonaphthol coupler I (R1 = CONR4R5, SO2NR4R5, NHCOR4, NHCO2R6, NHSO2R6,etc.; R2, R3 = substituent; m = 0-3; X = H; R4, R5 = H, alkyl, aryl, heterocyclic ring; R6 = alkyl, aryl, heterocyclic ring; dimerization or polymerization is allowed through either of R1, R2 or R3) or a 2-ureidephenol II (R1 = alkyl, aryl, heterocyclic group; R2 = aryl; Z = H) and (3) that a water-insol. basic metal compound is incorporated in ≥1 of the component layers, and (4) that the ratios of the gradations of yellow, magenta and cyan dye images obtained by the processes (II) to the gradations of the 3 colors obtained by the process (I) lie between 0.8 and 1.2, where the condition for the process (I) is 3 min to 3 min 15 s at 37-39° 50-70 s at 43-45° with 35-40 mol/L developing agent. The material is suitably a camera film having a magnetic recording layer on the backside of the support. Also claimed is the image-forming method for the material which is identical to the rapid process mentioned above. Preferable basic metal compound is the Zn and other alkaline earth metal capable of releasing alkali in contact with a chelating agent. The material and process provides a system producing photog. images with substantially the same characteristics as those obtained by the standard process, in spite of rapid finishing. Thus, a multilayer color neg. film containing 2 cyan couplers (II; R1 = 1-(2,5-di-tert-phenoxy)pentyl; R2 = p-cyano-phenyl; Z = H) and II; R1 = 1-(2,5-di-tert-phenoxy)propyl; R2 = p-propylsulfo-phenyl; Z = H and ZnO had the mentioned advantages.

IT 149243-21-0
RL: DEV (Device component use); USES (Uses)
(cyan coupler; color photog. material containing aminonaphthol or phenylureidephenol and the image-forming method)

RN 149243-21-0 CAPLUS

CN 2-Pyridinecarboxylic acid, 3-[[[4-[[[(4-cyanophenyl)amino]carbonyl]amino]-3-hydroxyphenyl]amino]carbonyl]-, 2-hexyldecyl ester (CA INDEX NAME)

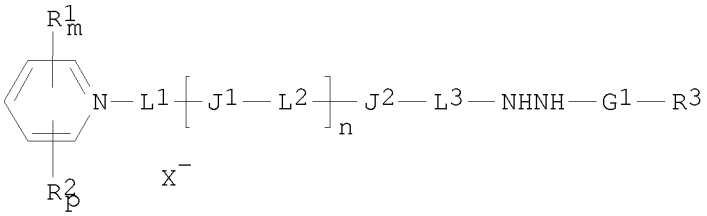


L8 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1995:999711 CAPLUS
DOCUMENT NUMBER: 124:160220
ORIGINAL REFERENCE NO.: 124:29471a,29474a
TITLE: Silver halide photographic material containing hydrazine derivative to enhance image contrast
INVENTOR(S): Hayakawa, Hiroshi; Kubo, Toshiaki
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 07234471 | A | 19950905 | JP 1994-22686 | 19940221 |
| JP 3294423 | B2 | 20020624 | | |

PRIORITY APPLN. INFO.: JP 1994-22686 19940221
GI



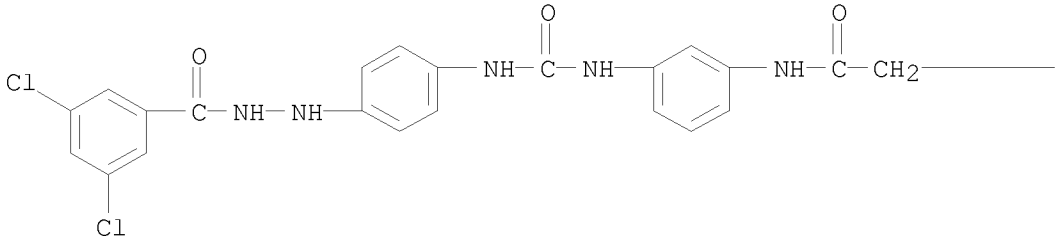
I

AB The claimed Ag halide photog. material contains a hydrazine derivative I [R1 = aromatic group; m = 1-3; ≥1 R1 is substituted at 2-, 4- or 6-site; R2 = H, non-aromatic substituent; p = 5-m; L1, L2, L3 = bivalent aliphatic or aromatic group; J1, J2 = SO2NR6, NR6SO2, CONR6, NR6CONR6, G2P(O)(G2R6)NR6; n = 0 or 1; G1 = CO, SO2, SO, thiocarbonyl, iminomethylene, PO(G2R6); R3 = H, blocking group; G2 = single bond, O, NR; R6 = H, aliphatic or aromatic group; X- = counter anion]. It has high image contrast and good processing stability and is suitably used for graphic arts applications.

IT 173408-86-1
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(silver halide photog. material containing hydrazine derivative to enhance image contrast)

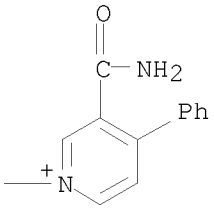
RN 173408-86-1 CAPLUS
CN Pyridinium, 3-(aminocarbonyl)-1-[2-[[3-[[[[4-[2-(3,5-dichlorobenzoyl)hydrazinyl]phenyl]amino]carbonyl]amino]phenyl]amino]-2-oxoethyl]-4-phenyl-, bromide (1:1) (CA INDEX NAME)

PAGE 1-A



● $Br^-$

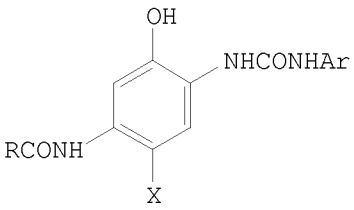
PAGE 1-B



L8 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1993:528316 CAPLUS
DOCUMENT NUMBER: 119:128316
ORIGINAL REFERENCE NO.: 119:22833a,22836a
TITLE: Silver halide color photographic material
INVENTOR(S): Seto, Nobuo; Yoneyama, Hiroyuki; Morigaki, Masakazu; Sakai, Shuichi; Kobayashi, Hidetoshi; Yamazaki, Shigeru
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 101 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 05061166 | A | 19930312 | JP 1992-29904 | 19920122 |
| US 5300419 | A | 19940405 | US 1992-888858 | 19920527 |

PRIORITY APPLN. INFO.: JP 1991-150897 A1 19910528
JP 1992-29904 A 19920122
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
GI



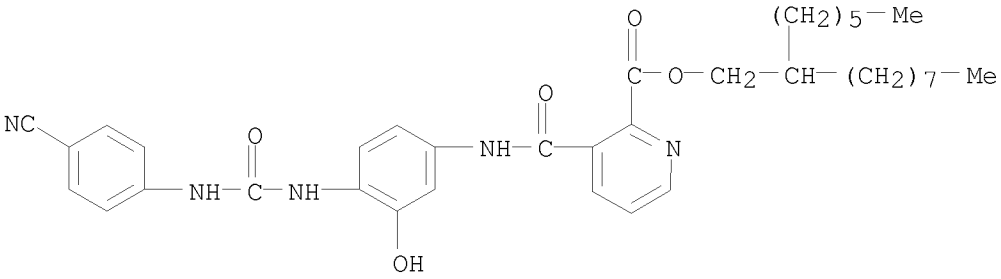

I

AB The title material contains a cyan coupler I (R = alkyl, alkenyl, aryl, heterocyclyl; X = H, group to be released upon coupling reaction with an oxidized aromatic primary amine color developing agent; Ar = aryl) and a hydrazine derivative R1R2NNR3R4 (R1 to R3 = aliphatic group, aryl, heterocyclyl;
R4 = H, aliphatic group, aryl, heterocyclyl; a proviso related to R1-R4 and further details on R1-R4 are given. The title material also contains a carbonate compound The title material shows good storage stability.

IT 149243-21-0
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler)

RN 149243-21-0 CAPLUS

CN 2-Pyridinecarboxylic acid, 3-[[[4-[[[(4-cyanophenyl)amino]carbonyl]amino]-3-hydroxyphenyl]amino]carbonyl]-, 2-hexyldecyl ester (CA INDEX NAME)

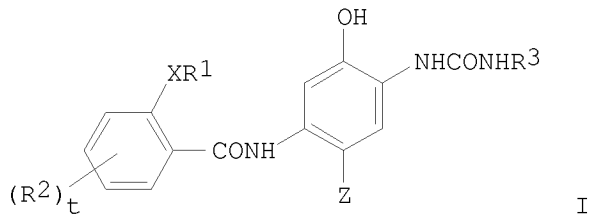



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

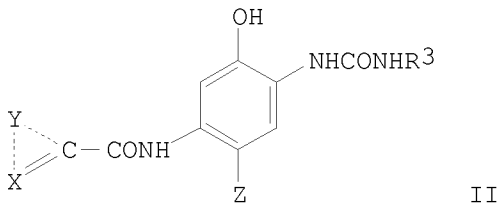
L8 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1993:157721 CAPLUS
DOCUMENT NUMBER: 118:157721
ORIGINAL REFERENCE NO.: 118:26871a,26874a
TITLE: Silver halide color photographic material
INVENTOR(S): Sakai, Shuichi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 82 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 04301839 | A | 19921026 | JP 1991-89089 | 19910329 |

PRIORITY APPLN. INFO.: JP 1991-89089 19910329
GI



I



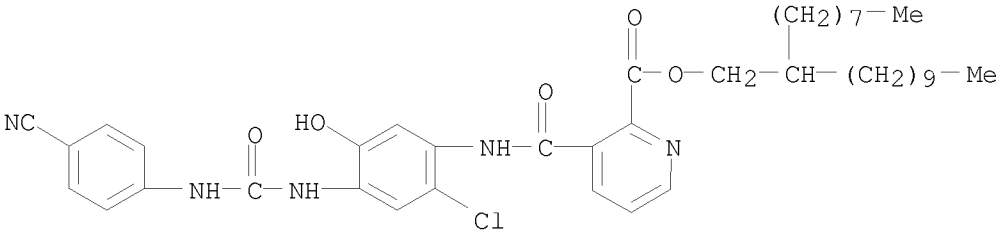
II

AB In the title material comprising a reflective support having thereon cyan coupler-containing silver halide emulsion layers, yellow coupler-containing silver halide emulsion layers, etc., the cyan coupler-containing silver halide layers contain one or more couplers represented by general structures I and II. For I, R1 = alkyl, alkenyl, alkynyl, etc.; X = a single bond, O, S, SO, etc.; R2 = a substituent on the benzene ring; t = 0 to 4. For II, X = C, N; Y = atoms which, together with C and X, form a 3- to 8-membered heterocyclic ring. For I and II, R3 = aryl; Z = H or a group to be released upon coupling reaction. The yellow coupler-containing silver halide emulsion layers in the title material contain an anilide coupler. The title material gives stable images.

IT 145977-55-5 146558-29-4 146558-32-9
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler)

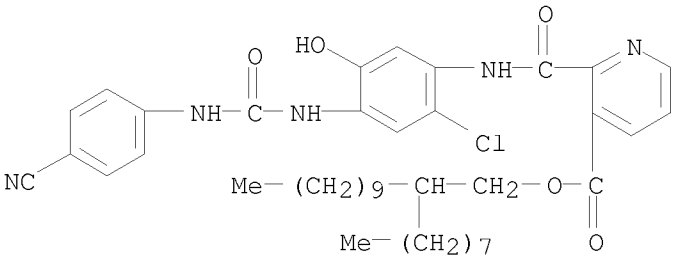
RN 145977-55-5 CAPLUS

CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, 2-octyldodecyl ester (CA INDEX NAME)

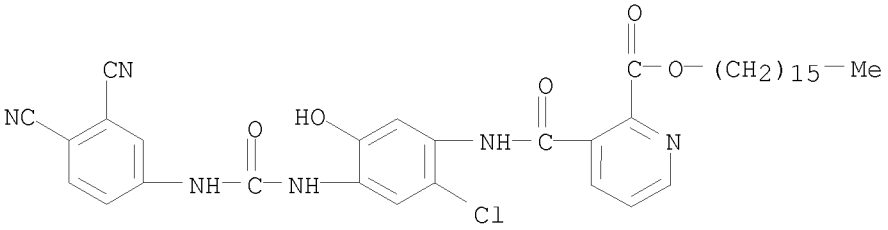


RN 146558-29-4 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[[[2-chloro-4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, 2-octyldodecyl ester (CA INDEX NAME)



RN 146558-32-9 CAPLUS
CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-4-[[[(3,4-dicyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, hexadecyl ester (CA INDEX NAME)

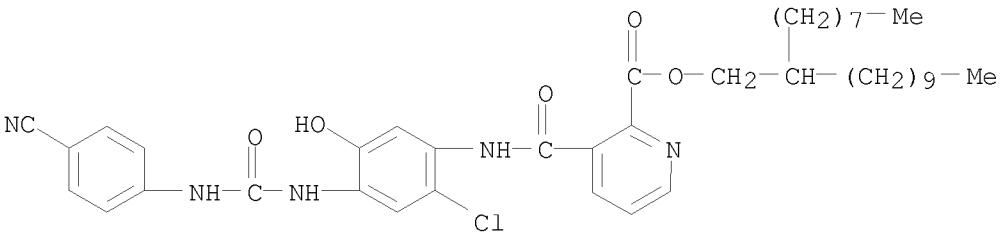


L8 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1993:157712 CAPLUS
DOCUMENT NUMBER: 118:157712
ORIGINAL REFERENCE NO.: 118:26871a,26874a
TITLE: Silver halide color photographic material
INVENTOR(S): Yoshioka, Yasuhiro; Sakai, Shuichi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 90 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

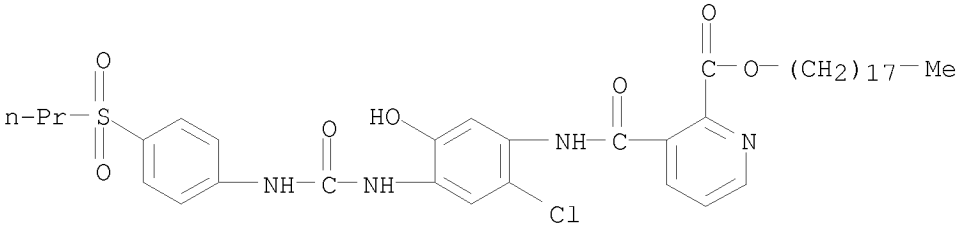
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 04275547 | A | 19921001 | JP 1991-61039 | 19910304 |

PRIORITY APPLN. INFO.: JP 1991-61039 19910304
GI For diagram(s), see printed CA Issue.
AB In the title material comprising a support having thereon a cyan coupler-containing silver halide emulsion layer, a magenta coupler-containing silver halide emulsion layer, and a yellow coupler-containing silver halide emulsion layer, the cyan coupler-containing emulsion layer contains an ureidophenol coupler. The yellow coupler-containing emulsion layer contains an acylacetamide coupler having an acyl group represented by I. For I, R1 = monovalent group; Q = nonmetallic atoms which, together with C, form a 3- to 5-membered hydrocarbon or heterocyclic ring. The title material shows high sensitivity.
IT 145977-55-5 145977-59-9 146558-29-4
146558-32-9
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler)
RN 145977-55-5 CAPLUS

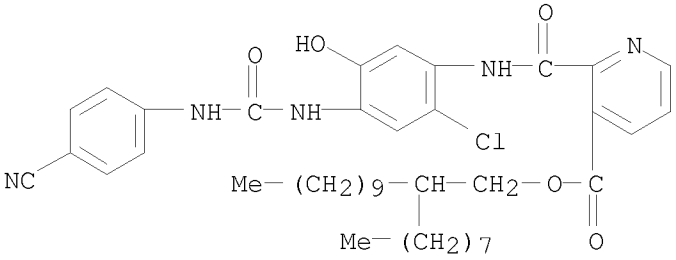
CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, 2-octyldodecyl ester (CA INDEX NAME)



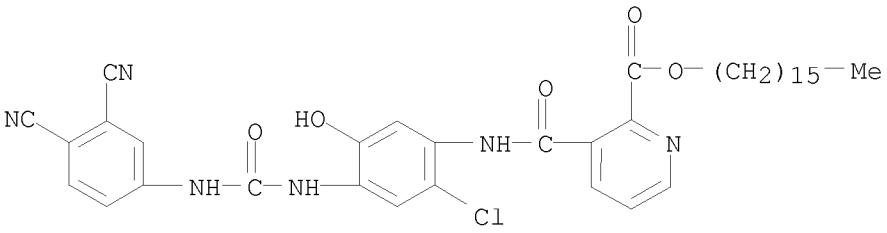
RN 145977-59-9 CAPLUS
CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-5-hydroxy-4-[[[[4-(propylsulfonyl)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-, octadecyl ester (CA INDEX NAME)



RN 146558-29-4 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[[[2-chloro-4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, 2-octyldodecyl ester (CA INDEX NAME)



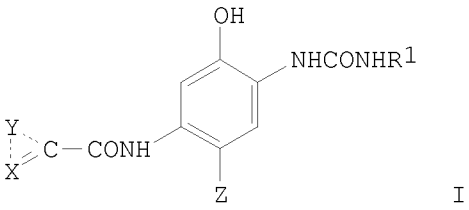
RN 146558-32-9 CAPLUS
CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-4-[[[(3,4-dicyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, hexadecyl ester (CA INDEX NAME)



L8 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1993:90721 CAPLUS
DOCUMENT NUMBER: 118:90721
ORIGINAL REFERENCE NO.: 118:15731a,15734a
TITLE: Silver halide color photographic material
INVENTOR(S): Sakai, Shuichi; Yamazaki, Shigeru; Sato, Kozo
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 04204728 | A | 19920727 | JP 1990-336810 | 19901130 |
| JP 2851161 | B2 | 19990127 | | |
| PRIORITY APPLN. INFO.: | | | JP 1990-336810 | 19901130 |

GI



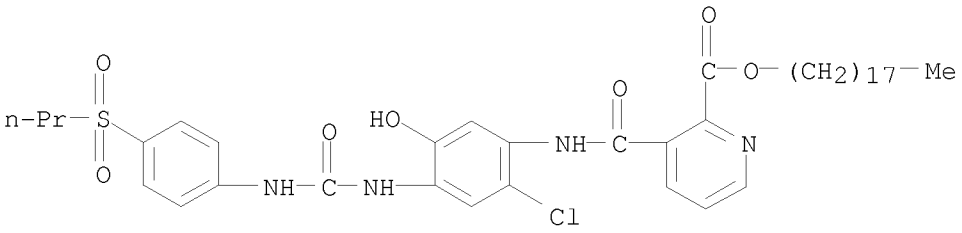
I

AB In the title material comprising a support having thereon one or more silver halide emulsion layers, at least one layer contains a cyan dye-forming coupler represented by general structure I. For I, Y = nonmetallic atoms for forming, together with C:X, 3- to 8-membered heterocyclic ring; X = C, N; R1 = aryl; Z = H, group to be released upon coupling. Couplers I are highly reactive.

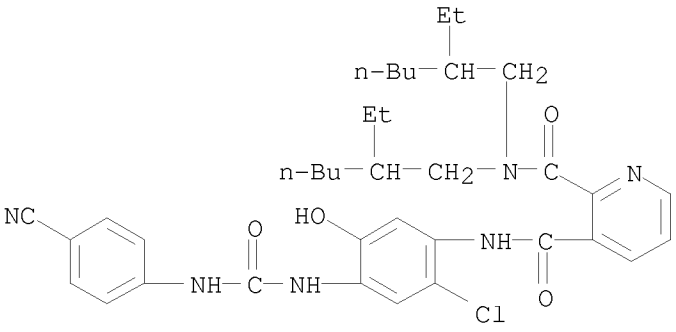
IT 145977-59-9 145977-62-4
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler)

RN 145977-59-9 CAPLUS

CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-5-hydroxy-4-[[[[4-(propylsulfonyl)phenyl]amino]carbonyl]amino]phenyl]amino]carbonyl]-, octadecyl ester (CA INDEX NAME)



RN 145977-62-4 CAPLUS
CN 2,3-Pyridinedicarboxamide, N3-[2-chloro-4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]-N2,N2-bis(2-ethylhexyl)- (CA INDEX NAME)



IT 145977-55-5P
RL: PREP (Preparation)
(preparation of, as cyan coupler)
RN 145977-55-5 CAPLUS
CN 2-Pyridinecarboxylic acid, 3-[[[2-chloro-4-[[[(4-cyanophenyl)amino]carbonyl]amino]-5-hydroxyphenyl]amino]carbonyl]-, 2-octyldodecyl ester (CA INDEX NAME)